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Rosemarie L. Celli
Rosemarie L. Celli

PATENT
Attorney Docket No.: 15270J-004743US
Client Ref. No.: 209-US-CIP5C3

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Dale B. Schenk

Application No.: 09/724,319

Filed: November 27, 2000

For: PREVENTION AND TREATMENT
OF AMYLOIDOGENIC DISEASE

Examiner: Unassigned

Art Unit: 1647

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/322,289, filed May 28, 1999 (Attorney Docket No. 15270J-004740US).

The publication identified as Cite No. 144 is a grant application believed to have been submitted by Victor Raso for NIH Grant No. 1 R43 AGI 5746-01 on August 29, 1997. Applicant obtained the grant proposal under the Freedom of Information Act (FOIA). It is believed that the grant proposal would not have been accessible under FOIA before April 2, 1998, but the exact date of public accessibility is not known to Applicant.

Applicant also cites commonly owned copending applications directed to related subject matter:

09/201,430 filed 11/30/98;
09/497, 553 filed 02/03/00;
09/724,477 filed 11/28/00;
09/723,927 filed 11/28/00;
09/724,762 filed 11/28/00;
09/724,102 filed 11/28/00;
09/724,489 filed 11/28/00;
09/322,289 filed 05/28/99;
09/723,713 filed 11/27/00;
09/723,760 filed 11/27/00;
09/723,384 filed 11/27/00;
09/724,495 filed 11/27/00;
09/580,015 filed 05/26/00;
09/724,940 filed 11/28/00;
09/724,961 filed 11/28/00;
09/580,018 filed 05/26/00;
09/724,552 filed 11/28/00;
09/723,544 filed 11/28/00;
09/724,273 filed 11/28/00;
09/724,551 filed 11/28/00;
09/724,288 filed 11/28/00;
09/580,019 filed 05/26/00;
09/723,765 filed 11/28/00;
09/724,291 filed 11/28/00;
09/724,921 filed 11/28/00;
09/724,929 filed 11/28/00;
09/585,817 filed 06/01/00

09/724,567 filed 11/28/00;
09/724,575 filed 11/28/00;
09/724,953 filed 11/28/00;
09/724,569 filed 11/28/00;
09/585,656 filed 06/01/00;
09/723,766 filed 11/27/00;
09/723,725 filed 11/27/00; and,
09/579,690 filed 05/26/00.

Applicant further cites the following commonly owned abandoned applications directed to related subject matter:

60/067,740 filed 12/02/97;
60/080,970 filed 04/07/98;
60/067,219 filed 12/03/97;
60/079,697 filed 03/27/98;
60/137,010 filed 06/01/99;
60/137,047 filed 06/01/99; and,
60/136,655 filed 05/28/99.

Applicant points out that the following applications are now commonly assigned but were previously subject to different assignment than the present application:

60/067,219 filed 12/03/97;
60/079,697 filed 03/27/98;
09/204,838 filed 12/03/98;
09/724,921 filed 11/28/00; and
09/724,929 filed 11/28/00.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant

information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Rosemarie L. Celli
Reg. No. 42,397

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PA 3164970 v1

Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

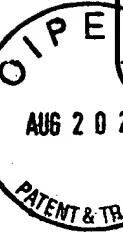
Sheet

1 of 11

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS

Attorney Docket Number 15270J-004743US

AUG 20 2001

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	196	6,150,091		Pandolfo et al.	11-21-2000	~~~~~
	1	6,057,367		Stamler et al.	05-02-2000	~~~~~
	2	5,958,883		Snow	09-28-1999	~~~~~
	3	5,955,317		Suzuki et al.	09-21-1999	~~~~~
	4	5,955,079		Mond et al.	09-21-1999	~~~~~
	5	5,877,399		Hsiao et al.	03-02-1999	~~~~~
	6	5,869,093		Weiner et al.	02-09-1999	~~~~~
	7	5,869,054		Weiner et al.	02-09-1999	~~~~~
	8	5,854,204		Findeis et al.	12-29-1998	~~~~~
	9	5,851,996		Kline	12-22-1998	~~~~~
	10	5,849,298		Weiner et al.	12-15-1998	~~~~~
	11	5,837,473		Maggio e al.	11-17-1998	~~~~~
	12	5,786,180		Konig et al.	07-28-1998	~~~~~
	207	5,780,587		Potter	07-14-1998	~~~~~
	13	5,753,624		McMichael et al.	05-19-1998	~~~~~
	14	5,750,349		Suzuki et al.	05-12-1998	~~~~~
	197	5,744,368		Goldgaber et al.	04-28-1998	~~~~~
	211	5,736,142		Sette et al.	04-07-1998	~~~~~
	15	5,733,547		Weiner et al.	03-31-1998	~~~~~
	16	5,688,651		Solomon	11-18-1997	~~~~~
	17	5,679,348		Nesburn et al.	10-21-1997	~~~~~
	18	5,645,820		Hafler et al.	07-08-1997	~~~~~
	19	5,641,474		Hafler et al.	06-24-1997	~~~~~
	20	5,641,473		Hafler et al.	06-24-1997	~~~~~
	21	5,612,486		McConlogue et al.	03-18-1997	~~~~~
	22	5,605,811		Seubert et al.	02-25-1997	~~~~~
	23	5,585,100		Mond et al.	12-17-1996	~~~~~
	24	5,571,500		Hafler et al.	11-05-1996	~~~~~
	25	5,571,499		Hafler et al.	11-05-1996	~~~~~
	175	5,441,870		Seubert, et al.	08-15-1995	~~~~~
	26	5,434,170		Andrusis, Jr.	07-18-1995	~~~~~
	27	5,387,742		Cordell	02-07-1995	~~~~~
	181	5,270,165		Van Nostrand et al.	12-14-1993	~~~~~
	28	5,231,000		Majocha et al.	07-27-1993	~~~~~
	29	5,220,013		Ponte et al.	06-15-1993	~~~~~

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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AUG 20 2001

Sheet 2 of 11

<i>C mplet if Kn wn</i>	
Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned <i>NICHOLS</i>
Attorney Docket Number	15270J-004743US

 AUG 20 2001	30	5,208,036		Eppstein et al.	05-04-1993	
	31	5,192,753		McGeer et al.	03-09-1993	
	32	5,187,153		Cordell et al.	02-16-93	
	33	5,057,540		Kensil et al.	10-15-1991	
	198	5,004,697		Pardridge	04-02-1991	
	34	4,666,829		Glenner et al.	05-19-1987	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
35	EP	911 036	A2			04-28-1999		<input type="checkbox"/>
36	EP	868 918	A2			10-07-1998		<input type="checkbox"/>
37	EP	863 211	A1			09-09-1998		<input type="checkbox"/>
38	EP	845 270	A1			06-03-1998		<input type="checkbox"/>
39	EP	782 859	A1			07-09-1997		<input type="checkbox"/>
40	EP	683 234	A1			11-22-1995		<input type="checkbox"/>
41	EP	666 080	A1			08-09-1995		<input type="checkbox"/>
42	EP	652 962	B1			12-16-1998		<input type="checkbox"/>
43	EP	639 081	B1			11-03-1999		<input type="checkbox"/>
44	EP	613 007	A2			08-31-1994		<input type="checkbox"/>
45	EP	594 607	B1			08-27-1997		<input type="checkbox"/>
46	EP	561 087	B1			08-04-1999		<input type="checkbox"/>
47	EP	526 511	B1			05-28-1997		<input type="checkbox"/>
48	EP	506 785	B1			03-15-2000		<input type="checkbox"/>
49	EP	451 700	A1			10-16-1991		<input type="checkbox"/>
50	EP	440 619	B1			01-24-1996		<input type="checkbox"/>
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187	EP	783 104	A1			07-09-1997		<input type="checkbox"/>
199	PCT	00/77178	A1			12-21-2000		<input type="checkbox"/>
188	PCT	00/43049	A1			07-27-2000		<input type="checkbox"/>
53	PCT	99/60024	A1			11-25-1999		<input type="checkbox"/>
54	PCT	99/60021	A2			11-15-1999		<input type="checkbox"/>
55	PCT	99/58564	A1			11-18-1999		<input type="checkbox"/>
56	PCT	99/06066	A2			02-11-1999		<input type="checkbox"/>
57	PCT	99/27949	A1			06-10-1999		<input type="checkbox"/>
58	PCT	99/27944	A1			06-10-1999		<input type="checkbox"/>

Examiner Signature	Date Considered
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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned - NICHOLS
Attorney Docket Number	15270J-004743US

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

AUG 20 2001 (use as many sheets as necessary)

Sheet 2 of 11

59	PCT	99/27911	A1	→	06-10-1999	□
203	PCT	99/00150	A2	→	01-07-1999	□
60	PCT	98/44955	A1	→	10-15-1998	□
61	PCT	98/07850	A2	→	02-26-1998	□
202	PCT	97/21728	A1	→	06-19-1997	□
62	PCT	97/17613	A1	→	05-15-1997	□
63	PCT	96/39176	A1	→	12-12-1996	□
208	PCT	96/28471	A1	→	09-19-1996	□
64	PCT	96/25435	A1	→	08-22-1996	□
65	PCT	96/18900	A1	→	06-20-1996	□
66	PCT	95/31996	A1	→	11-30-1995	□
200	PCT	95/12815	A1	→	05-11-1995	□
67	PCT	95/11994	A1	→	05-04-1995	□
68	PCT	95/11311	A1	→	04-27-1995	□
69	PCT	95/05853	A1	→	03-02-1995	□
70	PCT	95/04151	A2	→	02-09-1995	□
201	PCT	94/28412	A1	→	12-08-1994	□
71	PCT	94/03615	A1	→	02-17-1994	□
72	PCT	94/01772	A1	→	01-20-1994	□
73	PCT	93/21950	A1	→	11-11-1993	□
74	PCT	93/16724	A1	→	09-02-1993	□
75	PCT	93/15760	A1	→	08-19-1993	□
76	PCT	93/14200	A1	→	07-22-1993	□
205	PCT	93/04194	A1	→	03-04-1993	□
77	PCT	93/02189	A1	→	02-04-1993	□
78	PCT	92/13069	A1	→	08-06-1992	□
79	PCT	92/06708	A1	→	04-30-1992	□
80	PCT	92/06187	A1	→	04-16-1992	□
81	PCT	91/19810	A1	→	12-26-1991	□
82	PCT	91/16819	A1	→	11-14-1991	□
83	PCT	91/12816	A1	→	09-05-1991	□
84	PCT	91/08760	A1	→	06-27-1991	□
85	PCT	90/12871	A1	→	11-01-1990	□
86	PCT	90/12870	A1	→	11-01-1990	□
87	PCT	89/01343	A1	→	02-23-1989	□
88	PCT	89/06242	A1	→	07-13-1989	□
89	PCT	89/06689	A1	→	07-27-1989	□
90	PCT	89/03687	A1	→	05-05-1989	□
91	PCT	88/10120	A1	→	12-29-1988	□

Examiner Signature	Date Considered
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PTO/SB/08A (08-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 11

Complete if Known

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned → NICHOLS

Attorney Docket Number 15270J-004743US

92	GB	2 220 211	A	=====	01-04-1990	=====	□
93	GB	2 335 192	A	=====	09-15-1999	=====	□



Examiner Signature	Date Considered
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

AUG 20 2001

(use as many sheets as necessary)

PATENT & TRADEMARK OFFICE

Sheet 5 of 11

Complete if Known	
Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NOIC HOLZ
Attorney Docket Number	15270J-004743US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?," <u>Neurology</u> , 45:1441-1445 (1995).	<input type="checkbox"/>
	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <u>The Boston Globe</u> (4/13/95).	<input type="checkbox"/>
	96	BAUER et al., "Interleukin-6 and α-2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <u>FEBS Letters</u> , 285(1):111-114 (1991).	<input type="checkbox"/>
	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <u>Eur. J. Immunol.</u> 29:345-354 (1999).	<input type="checkbox"/>
	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <u>Soc. for Neuroscience Abstracts</u> 18:764 (1992).	<input type="checkbox"/>
	176	BARD et al., "Peripherally administered antibodies against amyloid β-peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <u>Nature Medicine</u> , 6(8):916-919 (2000).	<input type="checkbox"/>
	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <u>New England J. Medicine</u> , 341(22):1694 (1999).	<input type="checkbox"/>
	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <u>Biochem. Biophys. Res. Comm.</u> , 171(2):890-897 (1990).	<input type="checkbox"/>
	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <u>Neuron</u> , 19: 939-945 (1997).	<input type="checkbox"/>
	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <u>Cur. Opin. Genet Develop.</u> , 3: 102-109 (1993).	<input type="checkbox"/>
	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717 : Val->Ile) in 85 cases of early onset Alzheimer's disease," <u>J. Neurology, Neurosurg. Psychiatry</u> , 56:112-115 (1993).	<input type="checkbox"/>
	102	CHAO et al., "Transforming Growth Factor-β Protects human Neurons Against β-Amyloid-Induced Injury," <u>Soc. Neurosci. Abstracts</u> , 19:513.7 (1993).	<input type="checkbox"/>
	213	CHEN et al. "An Antibody to β Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <u>Neuroscience Letters</u> 125:223-226 (1991).	<input type="checkbox"/>
	214	DEMATTOS et al., "Peripheral Anti Aβ Antibody Alters CNS And Plasma Aβ Clearance and Decreases Brain Aβ Burden in a Mouse Model of Alzheimer's Disease," <u>Proc. Natl. Acad. Sci. USA</u> , 10.1073/pnas.151261398 (2001).	<input type="checkbox"/>
	103	DUFF et al., "Mouse model made," <u>Nature</u> , 373: 476-477 (1995).	<input type="checkbox"/>

Examiner Signature	Date Considered
--------------------	-----------------

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US

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104	ELIZAN et al., "Antineurofilament antibodies in a postencephalitic and idiopathic Parkinson's disease," <u>J. Neurol. Sciences</u> , 59:341-347 (1983).	<input type="checkbox"/>
105	FELSENSTEIN et al., "Processing of the β -amyloid precursor protein carrying the familial, Dutch-type, and a novel recombinant C-terminal mutation," <u>Neuroscience Letters</u> , 152:185-189 (1993).	<input type="checkbox"/>
106	FINCH et al., "Evolutionary Perspectives on Amyloid and Inflammatory Features of Alzheimer Disease," <u>Neurobiology of Aging</u> , 17(5):809-815 (1996).	<input type="checkbox"/>
107	FISHER et al., "Expression of the amyloid precursor protein gene in mouse oocytes and embryos," <u>PNAS</u> , 88:1779-1782 (1991).	<input type="checkbox"/>
108	FLANDERS et al., "Altered expression of transforming growth factor- β in Alzheimer's disease," <u>Neurology</u> , 45:1561-1569 (1995).	<input type="checkbox"/>
210	FRIEDLAND et al., "Development of an anti-A β monoclonal antibody for in vivo imaging of amyloid angiopathy in Alzheimer's disease," <u>Mol. Neurology</u> , 9:107-113 (1994).	<input type="checkbox"/>
109	GAMES et al., "Alzheimer-type neuropathology in transgenic mice overexpressing V717F β -amyloid precursor protein," <u>Nature</u> , 373(6514): 523-527 (1995).	<input type="checkbox"/>
215	GAMES et al., "Prevention and Reduction of AD-type Pathology in PDAPP Mice Immunized with A β ₁₋₄₂ ," <u>Annals of the New York Academy of Science</u> 920:274-84 (2000).	<input type="checkbox"/>
110	GANDY et al., "Amyloidogenesis in Alzheimer's disease: some possible therapeutic opportunities," <u>TiPS</u> , 13:108-113 (1992).	<input type="checkbox"/>
111	GASKIN et al., "Human antibodies reactive with beta-amyloid protein in Alzheimer's disease," <u>J. Exp. Med.</u> , 177:1181-1186 (1993).	<input type="checkbox"/>
112	GLENN et al., "Skin immunization made possible by cholera toxin," <u>Nature</u> , 391: 851 (1998).	<input type="checkbox"/>
113	GLENNER et al., "Alzheimer's Disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," <u>Biochemical and Biophysical Research Communications</u> , 120(3): 885-890 (1994).	<input type="checkbox"/>
114	GLENNER et al., "Alzheimer's Disease and Downs Syndrome: Sharing of A Unique Cerebrovascular Amyloid Fibril Protein," <u>Biochemical and Biophysical Research Communications</u> , 122(3): 1131-1135 (1984).	<input type="checkbox"/>
115	GOATE et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <u>Nature</u> , 349:704-706 (1991).	<input type="checkbox"/>
116	GOZES et al., "Neuroprotective strategy for Alzheimer disease: Intranasal administration of a fatty neuropeptide," <u>PNAS</u> , 93:427-432 (1996).	<input type="checkbox"/>
190	GRAVINA et al., "Amyloid β Protein (A β) in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 270(13):7013-7016 (1995).	<input type="checkbox"/>
117	GUPTA et al., "Differences in the immunogenicity of native and formalized cross reacting material (CRM197) of diphtheria toxin in mice and guinea pigs and their implications on the development and control of diphtheria vaccine based on CRMs," <u>Vaccine</u> , 15(12/13): 1341-1343 (1997).	<input type="checkbox"/>
118	HAGA et al., "Synthetic Alzheimer amyloid β /A4 peptides enhance production of complement C3 component by cultured microglial cells," <u>Brain Research</u> , 601:88-94 (1993).	<input type="checkbox"/>

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US

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119	HANES et al., "New advances in microsphere-based single-dose vaccines," <u>Advanced Drug Delivery Reviews</u> , 28: 87-119 (1997).	<input type="checkbox"/>
120	HARDY, "Amyloid, the presenilins and Alzheimer's disease," <u>TINS</u> , 20(4): 154-159 (1997).	<input type="checkbox"/>
121	HARDY, John, "New Insights into the Genetics of Alzheimer's Disease," <u>Annals of Med.</u> , 28:255-258 (1996).	<input type="checkbox"/>
193	HARRINGTON et al., "Characterisation of an epitope specific to the neuron-specific isoform of human enolase recognised by a monoclonal antibody raised against a synthetic peptide corresponding to the C-terminus of β / A4-protein," <u>Biochimica Biophysica Acta</u> , 1158:120-128 (1993).	<input type="checkbox"/>
177	HELMUTH, L., "Further Progress on a β -Amyloid Vaccine," <u>Science</u> , 289:375 (2000).	<input type="checkbox"/>
122	HSIAO et al., "Correlative Memory Deficits, A β Elevation, and Amyloid Plaques in Transgenic Mice," <u>Science</u> , 274: 99-102 (1996).	<input type="checkbox"/>
123	HUBERMAN et al., "Correlation of cytokine secretion by mononuclear cells of Alzheimer's patients and their disease stage," <u>J. Neuroimmunology</u> , 52:147-152 (1994).	<input type="checkbox"/>
124	HYMAN et al., "Molecular Epidemiology of Alzheimer's Disease," <u>N. E. J. Medicine</u> , 333(19):1283-1284 (1995).	<input type="checkbox"/>
125	ITAGAKI et al., "Relationship of microglia and astrocytes to amyloid deposits of Alzheimer's disease," <u>J. Neuroimmunology</u> , 24:173-182 (1989).	<input type="checkbox"/>
192	IWATSUBO et al., "Visualization of A β 42(43) and A β 40 in Senile Plaques with End-Specific A β Monoclonals: Evidence That an Initially Deposited Species Is A β 42(43)," <u>Neuron</u> , 13:45-53 (1994).	<input type="checkbox"/>
126	JANSEN et al., "Immunotoxins: Hybrid Molecules Combining High Specificity and Potent Cytotoxicity," <u>Immun. Rev.</u> , 62: 185-216 (1982).	<input type="checkbox"/>
216	JOACHIM et al., "Antibodies to Non-beta Regions of the Beta-amyloid Precursor Protein Detect a Subset of Senile Plaques," <u>Am. J. of Pathology</u> 138:373-378 (1991).	<input type="checkbox"/>
127	KALARIA, R. N., "Serum amyloid P and related molecules associated with the acute-phase response in Alzheimer's disease," <u>Res. Immunology</u> , 143:637-641 (1992).	<input type="checkbox"/>
183	KATZAV-GOZANSKY et al., "Effect of monoclonal antibodies in preventing carboxypeptidase A aggregation," <u>Biotechnol. Appl. Biochem.</u> , 23:227-230 (1996).	<input type="checkbox"/>
128	KAWABATA et al., "Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein," <u>Nature</u> , 354:476-478 (1991).	<input type="checkbox"/>
195	KONIG et al., "Development and Characterization of a Monoclonal Antibody 369.2B Specific for the Carboxyl-Terminus of the β A4 Peptide," <u>Annals of NY Acad. Sci.</u> , 777:344-355 (1996).	<input type="checkbox"/>
129	LAMPERT-ETCHELLS et al., "Regional Localization of Cells Containing Complement C1q and C4 mRNAs in the Frontal Cortex During Alzheimer's Disease," <u>Neurodegeneration</u> , 2:111-121 (1993).	<input type="checkbox"/>
130	LANGER, "New Methods of Drug Delivery," <u>Science</u> , 249: 1527-1532 (1990).	<input type="checkbox"/>

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Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US

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131	LANNFELT et al., "Alzheimer's disease: molecular genetics and transgenic animal models," <u>Behavioural Brain Res.</u> , 57:207-213 (1993).	<input type="checkbox"/>
132	LEMERE et al., "Mucosal Administration of A β Peptide Decreases Cerebral Amyloid Burden In Pd-App Transgenic Mice," <u>Society for Neuroscience Abstracts</u> , vol. 25, part I, Abstract 519.6, 29th Annual Meeting, (October 23-28, 1999).	<input type="checkbox"/>
133	LIVINGSTON et al., "The Hepatitis B Virus-Specific CTL Responses Induced in Humans by Lipopeptide Vaccination Are Comparable to Those Elicited by Acute Viral Infection," <u>J. Immunol.</u> , 159: 1383-1392 (1997).	<input type="checkbox"/>
134	LOPEZ et al., "Serum auto-antibodies in Alzheimer's disease," <u>Acta Neurol. Scand.</u> , 84:441-444 (1991).	<input type="checkbox"/>
218	MAJOCHA et al., "Development of a Monoclonal Antibody Specific for β /A4 Amyloid in Alzheimer's Disease Brain for Application to In Vitro Imaging of Amyloid Angiopathy," <u>The J. of Nuclear Med.</u> , 33:2184-2189 (1992).	<input type="checkbox"/>
217	MASTERS et al., "Amyloid Plaque core protein in Alzheimer Disease and Down Syndrome," <u>Proc. Natl. Acad. Sci. USA</u> , 82:4245-4249 (1985).	<input type="checkbox"/>
135	MCGEE et al., "The encapsulation of a model protein in poly (D, L lactide-co-glycolide) microparticles of various sizes: an evaluation of process reproducibility," <u>J. Micro. Encap.</u> , 14(2): 197-210 (1997).	<input type="checkbox"/>
136	MEDA et al., "Activation of microglial cells by β -amyloid protein and interferon- γ ," <u>Nature</u> , 374:647-650 (1995).	<input type="checkbox"/>
137	MILLER et al., "Antigen-driven Bystander Suppression after Oral Administration of Antigens," <u>J. Exp. Med.</u> , 174:791-798 (1991).	<input type="checkbox"/>
206	MORI et al., "Mass Spectrometry of Purified Amyloid β Protein in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 267(24):17082-17088 (1992).	<input type="checkbox"/>
191	MURPHY et al., "Development of a Monoclonal Antibody Specific for the COOH-Terminal of β -Amyloid 1-42 and Its Immunohistochemical Reactivity in Alzheimer's Disease and Related Disorders," <u>Am. J. Pathology</u> , 144(5):1082-1088 (1994).	<input type="checkbox"/>
138	NATHANSON et al., "Bovine Spongiform Encephalopathy (BSE): Causes and Consequences of a Common Source Epidemic," <u>Am. J. Epidemiol.</u> , 145(11): 959-969 (June 1, 1997).	<input type="checkbox"/>
139	New York Times National, "Anti-Inflammatory Drugs May Impede Alzheimer's," (2/20/94).	<input type="checkbox"/>
140	PARESCHE et al., "Microglial cells influence aggregates of the Alzheimer's disease amyloid beta-protein via a scavenger receptor," <u>Neuron</u> , 17:553-565 (September 1996).	<input type="checkbox"/>
141	PAUL et al., "Transdermal immunization with large proteins by means of ultradeformable drug carriers," <u>Eur. J. Immunol.</u> , 25: 3521-3524 (1995).	<input type="checkbox"/>
142	PRIEELS et al., "Synergistic adjuvants for vaccines," <u>Chemical Abstracts</u> , 120(8): pg. 652, column 1, abstract 86406t (1994).	<input type="checkbox"/>
143	QUON et al., "Formation of β -Amyloid protein deposits in brains of transgenic mice," <u>Nature</u> , 352:239-241 (1991).	<input type="checkbox"/>
144	RASO, V.A., Grant application # 1 R43 AG15746-01, (publication date unknown).	<input type="checkbox"/>

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US

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145	RASO, "Immunotherapy of Alzheimer's Disease," <u>Immunotherapy Weekly</u> , Abstract (April 2, 1998).	<input type="checkbox"/>
146	ROGERS et al., "Complement activation by β-amyloid in Alzheimer Disease," <u>PNAS</u> , 89:1-5 (1992).	<input type="checkbox"/>
147	ROSSOR et al., "Alzheimer's Disease Families with Amyloid Precursor Protein Mutations," <u>Annals of New York Academy of Sciences</u> , 695:198-202 (1993).	<input type="checkbox"/>
209	RUDINGER, "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence," in <u>Peptide Hormones</u> , J.A. Parson, ed. University Park Press, Baltimore, pp 1-7 (1976).	<input type="checkbox"/>
189	SAIDO et al., "Spatial Resolution of Fodrin Proteolysis in Postischemic Brain," <u>J. Biol. Chem.</u> , 268(33):25239-25243 (1993).	<input type="checkbox"/>
194	SAIDO et al., "Spatial Resolution of the Primary β-Amyloidogenic Process Induced in Postischemic Hippocampus," <u>J. Biol. Chem.</u> , 269(21):15253-15257 (1994).	<input type="checkbox"/>
178	SCHENK et al., "Therapeutic Approaches Related to Amyloid-β Peptide and Alzheimer's Disease," <u>J. Med. Chem.</u> , 38(21):4141-4154 (1995).	<input type="checkbox"/>
148	SCHENK et al., "Immunization with amyloid-β attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <u>Nature</u> , 400:173-177 (1999).	<input type="checkbox"/>
149	SELKOE, D.J., "Imaging Alzheimer's Amyloid," <u>Nat. Biotech.</u> , 18:823-824 (2000).	<input type="checkbox"/>
150	SELKOE, "Alzheimer's Disease: A Central Role for Amyloid," <u>J. Neuropathol. Exp. Neurol.</u> , 53(5): 438-447 (1994).	<input type="checkbox"/>
151	SELKOE, "Physiological production of the β-amyloid protein and the mechanism of Alzheimer's disease," <u>Trends in Neurosciences</u> , 16(10): 403-409 (1993).	<input type="checkbox"/>
152	SELKOE, Dennis J., "Amyloid Protein and Alzheimer's Disease.....," <u>Scientific American</u> , pgs. 68-78 (November, 1991).	<input type="checkbox"/>
153	SELKOE, Dennis J., "In the Beginning...," <u>Nature</u> , 354:432-433 (1991).	<input type="checkbox"/>
154	SELKOE, Dennis J., "The Molecular pathology of Alzheimer's Disease," <u>Neuron</u> , 6:487-498 (1991).	<input type="checkbox"/>
155	SELKOE, Dennis J., "Alzheimer's Disease: Genotypes, Phenotype, and Treatments," <u>Science</u> , 275:630-631 (1997).	<input type="checkbox"/>
156	SEUBERT et al., "Isolation and quantification of soluble Alzheimer's β-peptide from biological fluids," <u>Nature</u> , 359: 325-327 (1992).	<input type="checkbox"/>
157	SHIOSAKA, S., "Attempts to make models for Alzheimer's disease," <u>Neuroscience Res.</u> , 13:237-255 (1992).	<input type="checkbox"/>
158	SMITS et al., "Prion Protein and Scrapie Susceptibility," <u>Vet. Quart.</u> , 19(3): 101-105 (1997).	<input type="checkbox"/>

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned → NICHOLS

Attorney Docket Number 15270J-004743US

JC62 AUG 20 2001 PATENT & TRADEMARK OFFICE	159	SOLOMON et al., "Disaggregation of Alzheimer β-amyloid by site-directed mAb," <u>PNAS</u> , 94:4109-4112 (1997). <input type="checkbox"/>
	160	SOLOMON et al., "Monoclonal antibodies inhibit <i>in vitro</i> fibrillar aggregation of the Alzheimer β-amyloid peptide," <u>PNAS</u> , 93:452-455 (1996). <input type="checkbox"/>
	161	SOLOMON, A, "Pro Rx (Protein Therapeutics)," University of Tennessee Medical Center (publication date unknown). <input type="checkbox"/>
	162	SOLOMON, B, "New Approach Towards Fast Induction of Anti β-Amyloid Peptide Immune Response," Department of Molecular Microbiology & Biotechnology, Tel Aviv University, Ramat Aviv, Tel Aviv, Israel (publication date unknown). <input type="checkbox"/>
	182	SOLOMON et al., "Inhibitory effect of monoclonal antibodies on Alzheimer's β-amyloid peptide aggregation," <u>Int. J. Exp. Clin. Invest.</u> , 3:130-133 (1996). <input type="checkbox"/>
	184	SOLOMON et al., "Thermal Stabilization of Carboxypeptidase A as a Function of PH and Ionic Milieu," <u>Biochem. Mol. Biol. Int.</u> , 43(3):601-611 (1997). <input type="checkbox"/>
	185	SOLOMON et al., "Modulation of The Catalytic Pathway of Carboxypeptidase A by Conjugation with Polyvinyl Alcohols," <u>Adv. Mol. Cell Biology</u> , 15A:33-45 (1996). <input type="checkbox"/>
	186	SOLOMON et al., "Activity of monoclonal antibodies in prevention of <i>in vitro</i> aggregation of their antigens," abstract from Department of Molecular Microbiology and Biotechnology, Tel Aviv University, Tel Aviv, Israel (publication date unknown). <input type="checkbox"/>
	179	SOUTHWICK et al., "Assessment of Amyloid β protein in Cerebrospinal fluid as an Aid in the Diagnosis of Alzheimer's Disease," <u>J. Neurochemistry</u> , 66:259-265 (1996). <input type="checkbox"/>
	163	STOUTE et al., "A Preliminary Evaluation of a Recombinant Circumsporozoite Protein Vaccine Against <i>Plasmodium falciparum</i> Malaria", <u>N. Engl. J. Med.</u> , 336(2): 86-91 (1997). <input type="checkbox"/>
	164	STURCHLER-PIERRAT et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," <u>PNAS</u> , 94: 13287-13292 (1997). <input type="checkbox"/>
	165	TANAKA et al., "NC-1900, an active fragment analog of arginine vasopressin, improves learning and memory deficits induced by beta-amyloid protein in rats," <u>European J. Pharmacology</u> , 352:135-142 (1998). <input type="checkbox"/>
	166	TRIEB et al., "Is Alzheimer beta amyloid precursor protein (APP) an autoantigen? Peptides corresponding to parts of the APP sequence stimulate T lymphocytes in normals, but not in patients with Alzheimer's disease," <u>Immunobiology</u> , 191(2-3):114-115 Abstract C.37, (1994). <input type="checkbox"/>
	167	VAN GOOL et al., "Concentrations of amyloid-β protein in cerebrospinal fluid increase with age in patients free from neurodegenerative disease," <u>Neuroscience Letters</u> , 172:122-124 (1994). <input type="checkbox"/>
	168	VERBEEK et al., "Accumulation of Intercellular Adhesion Molecule-1 in Senile Plaques in Brain Tissue of patients with Alzheimer's Disease," <u>Amer. Journ. Pathology</u> , 144(1):104-116 (1994). <input type="checkbox"/>
	169	WALKER et al., "Labeling of Cerebral Amyloid <i>In Vivo</i> with a Monoclonal Antibody," <u>J. Neuropath. Exp. Neurology</u> , 53(4):377-383 (1994). <input type="checkbox"/>
	180	WEINER et al., "ORAL TOLERANCE: Immunologic Mechanisms and Treatment of Animal and Human Organ-Specific Autoimmune Diseases by Oral Administration of Autoantigens," <u>Annu. Rev. Immunol.</u> , 12:809-837 (1994). <input type="checkbox"/>
	170	WEISSMANN et al., "Bovine spongiform encephalopathy and early onset variant Creutzfeldt-Jakob disease," <u>Curr. Opin. Neurobiol.</u> , 7: 695-700 (1997). <input type="checkbox"/>

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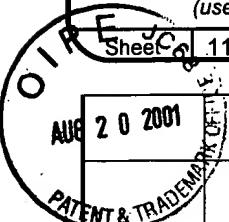
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Attorney Docket Number	15270J-004743US

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Sheet 11 of 11



AUG 20 2001	171	WEN, G.Y., "Alzheimer's Disease and Risk Factors," <u>J. Food Drug Analysis</u> , 6(2):465-476 (1998).	<input type="checkbox"/>
PATENT & TRADEMARK OFFICE	172	WENGENACK et al., "Targeting Alzheimer amyloid plaques in vivo," <u>Nature Biotech.</u> , 18:868-824 (2000).	<input type="checkbox"/>
	219	WONG et al., "Neuritic Plaques and Cerebrovascular Amyloid in Alzheimer Disease are Antigenically Related," <u>Proc. Natl. Acad. Sci. USA</u> , 82:8729-8732 (1985).	<input type="checkbox"/>
	173	WOOD et al., "Amyloid precursor protein processing and A β 42 deposition in a transgenic mouse model of Alzheimer disease," <u>PNAS</u> , 94: 1550-1555 (1997).	<input type="checkbox"/>
	174	Human Immunology & Cancer Program brochure, from The University of Tennessee Medical Center/ Graduate School of Medicine, Knoxville, Tennessee (publication date unknown).	<input type="checkbox"/>

CONSIDERED; DO NOT PRINT.

Examiner Signature	Date Considered
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² Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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